

LIST OF TABLES

<u>Table</u>		<u>Page</u>
2-1	Comparison of Definitions for Alternatives 1 through 5	2-2
2-2	Summary of Vessel Quotas for Glacier Bay under Alternative 1, June 1 - August 31	2-9
2-3	Summary of Vessel Quotas for Glacier Bay under Alternative 2, June 1 - August 31	2-11
2-4	Summary of Vessel Quotas for Glacier Bay under Alternative 3, June 1 - August 31.....	2-12
2-5	Summary of Vessel Quotas for Glacier Bay under Alternative 4, June 1 - September 30	2-14
2-6	Summary of Vessel Quotas for Dundas Bay Proper Alternative 4, May 1 - September 30	2-14
2-7	Summary of Vessel Quotas for Glacier Bay under Alternative 5, May 1 - September 30	2-19
2-8	Summary of Vessel Quotas for Dundas Bay under Alternative 5, June 1 - August 31	2-20
2-9	Overview of Alternatives Evaluated in this Environmental Impact Statement	2-41
2-10	Comparison of Vessel Quotas in Glacier Bay for Alternatives 1 through 5	2-42
2-11	Comparison of Vessel Quotas in Dundas Bay for Alternatives 1 through 5.....	2-43
2-12	Comparison of Vessel Operating Requirements for Alternatives 1 through 5	2-44
2-13	Summary of Direct and Indirect Effects by Resource for Each Alternative	2-47
3-1	2001 Emissions from Vessels in Glacier Bay	3-22
3-2	Underwater Acoustics Terms.....	3-35
3-3	Marine Mammal Species, Other than Threatened and Endangered Species, known to Inhabit the Waters of Glacier Bay National Park and Preserve	3-39
3-4	Colonial Nesting Birds Breeding in Glacier Bay and Dundas Bay	3-48
3-5	Fish Found in Glacier Bay National Park and Preserve.....	3-55
3-6	Species with Essential Fish Habitat in Glacier Bay and Dundas Bay.....	3-63
3-7	Common Snails, Worms, Clams, and Crustaceans Found in the Mid-Intertidal Environment in Glacier Bay National Park and Preserve.....	3-75
3-8	Common Sponges, Worms, and Echinoderms Found in the Low-Intertidal Environment in Glacier Bay National Park and Preserve.....	3-76
3-9	Common Clams Found in the Soft Substrate Environment in Glacier Bay National Park and Preserve.....	3-77
3-10	Alaska Heritage Resource Survey and National Park Service Archeological Sites in Glacier and Dundas Bays	3-84
3-11	15 Preliminary Huna Tlingit Traditional Cultural Properties in Glacier Bay National Park and Preserve.....	3-92
3-12	Glacier Bay Visitor Traffic, 1997-2001.....	3-100
3-13	Characteristics of Groups and Individuals to the Backcountry in Glacier Bay National Park and Preserve, May through September 1997-2001.....	3-109

<u>Table</u>		<u>Page</u>
3-14	Optimal Timetables for Cruise Ship Entries	3-115
3-15	Private and Charter Vessel Entries into Glacier Bay National Park and Preserve – 1998 to 2001	3-117
3-16	Designations within Glacier Bay National Park and Preserve.....	3-121
3-17	Economic Indicators – Gustavus, Alaska	3-126
3-18	Economic Indicators – Elfin Cove, Alaska.....	3-129
3-19	Economic Indicators – Hoonah, Alaska.....	3-130
3-20	Economic Indicators – Pelican, Alaska.....	3-131
3-21	Economic Indicators – Haines Borough, Alaska	3-132
3-22	Economic Indicators – City and Borough of Yakutat, Alaska.....	3-134
3-23	Economic Indicators – City and Borough of Juneau, Alaska	3-136
3-24	Economic Indicators – City of Skagway, Alaska	3-138
3-25	Economic Indicators – City and Borough of Sitka, Alaska	3-139
3-26	Southeast Alaska Cruise Traffic, 1992 – 2003	3-141
4-1	Assumption of Use Levels in May and September, Glacier Bay and Dundas Bay, under Alternatives 1, 2, and 3	4-4
4-2	Threshold Criteria for Effects Analysis of the Soundscape	4-13
4-3	Emissions and Air Quality Criteria Reviewed for Potential Applicability	4-33
4-4	Threshold Criteria for the Air Quality Effects Analysis	4-35
4-5	Alternative 1 (No Action) Daily and Annual Vessel Emissions (maximum allowable entries).4-36	
4-6	Glacier Bay National Park and Preserve Air Quality Program 2002 Visible Emission Observation Program Summary	4-39
4-7	Alternative 2 Daily and Annual Vessel Emissions	4-43
4-8	Alternative 3 Daily and Annual Vessel Emissions	4-45
4-9	Alternative 4 Daily and Annual Vessel Emissions	4-47
4-10	Alternative 5 Daily and Annual Vessel Emissions	4-49
4-11	Major Regulatory Requirements and Thresholds for Glacier Bay Waters and Marine Vessel Wastes	4-55
4-12	Threshold Criteria for Effects Analysis on Water Quality.....	4-58
4-13	Threshold Criteria for the Effects Analysis on Threatened Humpback Whales and Endangered Steller Sea Lions in Glacier Bay and Dundas Bay.....	4-87
4-14	Estimates of Ensonified Area Emitted by Each Vessel Class.....	4-89
4-15	Threshold Criteria for the Effects Analysis on Marine Mammals	4-115
4-16	Area Ensonified by Each Vessel Type.....	4-116
4-17	Threshold Criteria for Effects Analysis on Marine Birds and Raptors	4-137
4-18	Threshold Criteria for Effects Analysis on Marine Fishes.....	4-152

<u>Table</u>	<u>Page</u>
4-19 Threshold Criteria for Effects Analysis on Coastal/Shoreline Environment and Biological Communities.....	4-165
4-20 Comparison of Five Alternatives – Potential Effects on the Physical Coastline at 22 Sites in Glacier Bay National Park and Preserve.....	4-166
4-21 Comparison of the Five Alternatives’ Effects on Coastal Community Resources	4-168
4-21 Threshold Criteria for Effects Analysis on Marine Fish.....	4-156
4-22 Threshold Criteria for Effects Analysis on Deep Benthic Communities.....	4-167
4-23 Threshold Criteria for Effects Analysis on Coastal/Shoreline Environment and Biological Communities.....	4-178
4-24 Comparison of Five Alternatives – Potential Effects on the Physical Coastline at 22 Sites in Glacier Bay National Park and Preserve.....	4-179
4-25 Comparison of the Five Alternatives’ Effects on Coastal Community Resources	4-181
4-26 Threshold Criteria for Cultural Resources Effects Analysis.....	4-180
4-27 Threshold Criteria for Visitor Experience Effects Analysis	4-196
4-28 Threshold Criteria for Vessel Use and Safety Effects Analysis	4-216
4-29 Summary of Vessel-Related Incidents at Glacier Bay, 1994-2001.....	4-217
4-30 Physical Vessel Statistics for 1999 Glacier Bay Entries.....	4-220
4-31 Threshold Criteria for Wilderness Resources Effects Analysis	4-233
4-32 Threshold Criteria for Local and Regional Socioeconomics Effects Analysis	4-247
5-1 Agencies Consulted	5-2
5-2 Agency Contributors.....	5-10
5-3 Consultants.....	5-11